

UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.
YOU102

Total Pages in this Submission

TO THE COMMISSIONER FOR PATENTS

Mail Stop Patent Application
P.O. Box 1450
Alexandria, VA 22313-1450

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

METHOD OF PROTECTING METALS FROM CORROSION USING THIOL COMPOUNDS

and invented by:

Hyung-Joon KIM
jinming ZHANG
Richard D. GANDOUR
Roe-Hoan YOON

22581 U.S. PTO
10/786379

If a **CONTINUATION APPLICATION**, check appropriate box and supply the requisite information:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: _____

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: _____

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: _____

Enclosed are:

Application Elements

1. ☒ Filing fee as calculated and transmitted as described below
2. ☒ Specification having 20 pages and including the following:
 - a. ☒ Descriptive Title of the Invention
 - b. ☐ Cross References to Related Applications (if applicable)
 - c. ☐ Statement Regarding Federally-sponsored Research/Development (if applicable)
 - d. ☐ Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix
 - e. ☒ Background of the Invention
 - f. ☒ Brief Summary of the Invention
 - g. ☒ Brief Description of the Drawings (if filed)
 - h. ☒ Detailed Description
 - i. ☒ Claim(s) as Classified Below
 - j. ☒ Abstract of the Disclosure

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Application Elements (Continued)

3. ☒ Drawing(s) (when necessary as prescribed by 35 USC 113)
- a. ☐ Formal Number of Sheets _____
- b. ☒ Informal Number of Sheets 3
4. ☒ Oath or Declaration
- a. ☒ Newly executed (original or copy) ☐ Unexecuted
- b. ☐ Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional application only)
- c. ☒ With Power of Attorney ☐ Without Power of Attorney
- d. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named in the prior application,
see 37 C.F.R. 1.63(d)(2) and 1.33(b).
5. ☐ Incorporation By Reference (usable if Box 4b is checked)
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. ☐ CD ROM or CD-R in duplicate, large table or Computer Program (Appendix)
7. ☐ Application Data Sheet (See 37 CFR 1.76)
8. ☐ Nucleotide and/or Amino Acid Sequence Submission (if applicable, all must be included)
- a. ☐ Computer Readable Form (CRF)
- b. ☐ Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ Paper
- c. ☐ Statement(s) Verifying Identical Paper and Computer Readable Copy

Accompanying Application Parts

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(B) Statement (when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement/PTO-1449 ☐ Copies of IDS Citations
13. ☒ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☒ Certificate of Mailing
- ☐ First Class ☒ Express Mail (Specify Label No.): EL984320434US

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Accompanying Application Parts (Continued)

17. ☒ Additional Enclosures *(please identify below)*:

Petition to Accept Color Drawings and Photographs and \$130.00 Petition fee

Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)

18. ☐ Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.

Warning

An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.

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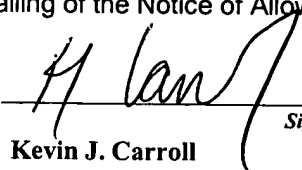
Fee Calculation and Transmittal

CLAIMS AS FILED

For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	17	- 20 =	0	x \$18.00	\$0.00
Indep. Claims	4	- 3 =	1	x \$86.00	\$86.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
BASIC FEE					\$770.00
OTHER FEE (specify purpose) Assignment recordal fee (\$40.00) and Petition Fee (\$130.00)					\$170.00
TOTAL FILING FEE					\$1,026.00

- ☒ A check in the amount of **\$1,026.00** to cover the filing fee is enclosed.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. **50-2121** as described below.
- ☐ Charge the amount of _____ as filing fee.
- ☒ Credit any overpayment.
- ☒ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
- ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

Dated: February 25, 2004



Signature
Kevin J. Carroll
Attorney for Applicant
Reg. No. 36,384
Grossman, Tucker, Perreault & Pfleger, PLLC
55 South Commercial Street
Manchester, NH 03101
Ph: 603.668.6560

cc:

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)Applicant(s): **KIM et al**

Docket No.

YOU102

Serial No.

Filing Date

February 25, 2004

Examiner

Group Art Unit

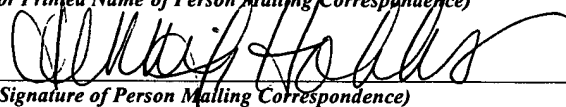
Invention:

METHOD OF PROTECTING METALS FROM CORROSION USING THIOL COMPOUNDS

I hereby certify that the following correspondence:

U.S. PATENT APPLICATION*(Identify type of correspondence)*

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

FEBRUARY 25, 2004*(Date)***JENNIFER L. HOBBS***(Typed or Printed Name of Person Mailing Correspondence)**(Signature of Person Mailing Correspondence)***EL984320434US***("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant	: KIM et al	TC/A.U.	:
Serial No.	:	Examiner	:
Filed	: February 25, 2004	Docket No.	: YOU102
Customer No.	:	Confirmation No.	:
Title	: METHOD OF PROTECTING METALS FROM CORROSION USING THIOL COMPOUNDS		

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

PETITION TO ACCEPT COLOR DRAWINGS AND PHOTOGRAPHS
PURSUANT TO 37 CFR 1.84(a)(2) and (b)(2)

Dear Sir:

Pursuant to 37 CFR 1.84(a)(2) and (b)(2), applicant hereby petitions the Office to accept color drawings and photographs, namely, FIGS. 1-6 in the above-identified application.

Applicant submits that the color photographs are necessary to illustrate the red rust and white rust described on page 6, line 14 through page 7, line 4 of the present specification.

Three sets of the color drawings (Sheets 1 through 3 of FIGS. 1-6) and the fee of \$130.00 set forth in §1.17(h) are submitted herewith. A Preliminary Amendment amending the specification pursuant to 37 CFR 1.84(a)(2)(iv) is also filed concurrently herewith.

Applicant submits that the requirements of 37 CFR 1.84(a)(2) and (b)(2) have been complied with and requests that the color drawings and photographs be accepted in the present application. The examiner is invited to telephone the undersigned, applicant's attorney of record, to facilitate advancement of the present application.

Please apply any charges not covered, or any credits, to Deposit Account 50-2121

03/02/2004 (Reference Number YOU102).
03-FC:1460 130.00 OP

03/02/2004 GWORDF1 00000018 10786379

03 FC:1460 130.00 OP

Respectfully submitted,

GROSSMAN, TUCKER, PERREAULT &
PFLEGER PLLC

Date: February 25, 2004

By: 

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